

CLAIMS

5 1. A system for accurately delivering sterile fluids for use in a cosmetic surgery procedure comprising:

 a strain gauge sensor;

 a container of sterile fluid connected to the strain-gauge sensor so that the strain-gauge sensor will generate an electrical output proportional to the weight of the fluid and

10 container from time-to-time;

 a pump for pumping fluid from the container and having adjustable speed control for delivery of fluids within the range of 30 ml/min to 1000 ml/min;

 a sterile tubing set connected to the fluid source and the pump for delivery of the sterile fluid during the surgical procedure;

15 a processor for processing the electrical output from the strain gauge from time-to-time to determine the amount of fluid delivered to the surgical procedure; and

 a display for displaying the amount of fluid delivered during the surgical procedure.

20 2. The system of Claim 1 wherein the cosmetic surgery procedure is a member of the group consisting of lipoplasty and the filling of breast implants or sizers.

 3. The system of Claim 1 wherein the pump is a peristaltic pump.

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4. The system of Claim 1 wherein the display includes a reset button that will
‘zero’ the display when pressed.

5. The system of Claim 1 wherein the tubing set is made of polyvinyl
chloride.

6. The system of Claim 1 wherein the display shows the amount of fluid in
either weight or volume.

10 7. The system of Claim 2 wherein the pump is a peristaltic pump.

8. The system of Claim 2 wherein the tubing set is made of polyvinyl
chloride.

15 9. The system of Claim 2 wherein the display shows the amount of fluid in
either weight or volume.

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10. A method for accurately delivering sterile fluids for use in a cosmetic surgery procedure comprising:

supporting a container of sterile fluid from a strain-gauge sensor so that the strain-gauge sensor provides an electronic signal indicative of the weight of the container and sterile fluid from time-to-time;

connecting one end of a sterile tubing set to the fluid container and passing the tubing set through a pump so that the pump can remove sterile fluid from the container within the range of 30 ml/min to 1000 ml/min;

10 making the other end of the sterile tubing set available for delivery of the sterile fluid by the pump to the cosmetic surgery procedure;

activating the pump to pump fluid from the fluid source to the patient or the implantable device at a desired flow rate;

processing the electronic signal from the strain gauge to display the amount of sterile fluid removed from the container from time-to-time; and

15 monitoring the amount of sterile fluid pumped to the cosmetic surgery procedure;

releasing the pump activation when the desired amount of sterile fluid has been provided for the cosmetic surgery procedure.

20 11. The method of Claim 9 wherein the supporting of the container is accomplished by hanging the container from the strain-gauge.

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12. The method of Claim 9 wherein the cosmetic surgery procedure is a member of the group consisting of lipoplasty and the filling of breast implants or sizers.

13. The method of Claim 9 wherein the pump is a peristaltic pump.

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14. The method of Claim 9 wherein the tubing set is made of polyvinyl chloride.

15. The method of Claim 9 wherein the display shows the amount of fluid in either weight or volume.

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16. The method of Claim 12 wherein the pump is a peristaltic pump.

17. The method of Claim 12 wherein the tubing set is made of polyvinyl chloride.

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18. The method of Claim 12 wherein the display shows the amount of fluid in either weight or volume.

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